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PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

20-Dec-2010

Company: 116802

Room/Area ID: Reference #:



 Sales Order #:
 C002726

 CCC Panel #:
 P68831

 Date In:
 16-Nov-2010

 Date Out:
 30-Nov-2010

Days In Service: 14

CCC Panel # P68831

ISA Class G2 Moderate

Copper Corrosion 468 Å/30 Days

Silver Corrosion 1203 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P68831

The electrolytic reduction analysis on Corrosion Classification Coupon #P68831 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:

Environmental Health and Eng

117 Fourth Avenue, Needham MA 02494, USA

tminegishi@eheinc.com

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

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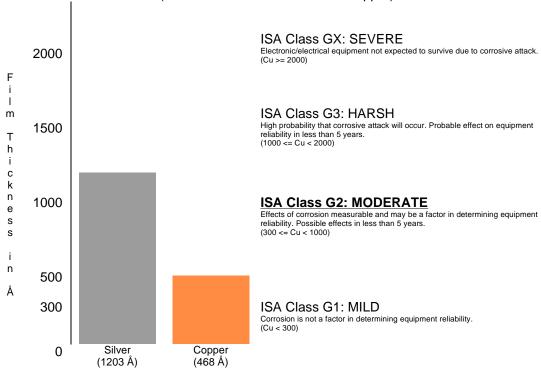
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PURAFIL CCC # P68831 Analysis Results

Corrosion Film Composition Projections				Gold Coupon - Magnified 20x
	30 Days	<u>1 Year</u>	<u>5 Year</u>	magica zox
Copper Films				
Cu ₂ S	334 Å	676 Å	1156 Å	
Cu ₂ O	134 Å	271 Å	464 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	468 Å	947 Å	1620 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	1203 Å	14641 Å	73207 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	1203 Å	14641 Å	73207 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



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